

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

BAEK et al.

International Application No. PCT/KR2004/000785

Serial No. NOT YET ASSIGNED

International Filing Date: 3 April 2004 (03.04.2004)

Filed: October 3, 2005

For: **REAL-TIME MONITORING APPARATUS FOR BIOCHEMICAL REACTION**

10/551784

TRANSMITTAL LETTER

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

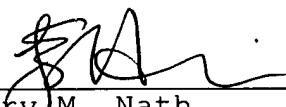
Submitted herewith for filing in the U.S. Patent and Trademark
Office is the following:

- (1) Transmittal Letter
- (2) Transmittal Letter To U.S. Designated/Elected Office
(DO/EO/US) Concerning Filing under 35 U.S.C. 371
- (3) International Publication No: WO 2004/088291 A1
International Publication Date: 14 October 2004 (14.10.2004)
With search report which consists of 25 pages including:
 - 1 cover sheet containing the abstract,
 - 16 pages Textual Specification,
 - 4 pages of 16 claims,
 - 4 sheets of Drawings;
- (4) Unexecuted Inventor's Declaration;
- (5) Check No. 1005 \$ 450.00 for Government Filing Fee, Search
Fee and Examination Fee as a small entity;
- (6) Postcard for early notification of serial number.

Respectfully submitted,

NATH & ASSOCIATES PLLC

By:



Gary M. Nath
Registration No. 26,965
Tanya E. Harkins
Registration No. 52,993
Customer No. 20529

Date: October 3, 2005
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Washington, D.C. 20005
GMN/TEH/dd/PCT.NATLphase.TL

U.S. DEPARTMENT OF COMMERCE, PATENT AND TRADEMARK OFFICE		DATE: 3 October 2005 (3.10.2005)
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371		U.S. APPLICATION NO. (if known): 10/551784 Not Yet Assigned
INTERNATIONAL APPLICATION NO.: PCT/KR2004/000785	INTERNATIONAL FILING DATE: 3 April 2004 (03.04.2004)	PRIORITY DATE CLAIMED: 3 April 2003 (03.04.2003) KR
TITLE OF INVENTION: REAL-TIME MONITORING APPARATUS FOR BIOCHEMICAL REACTION		
APPLICANT(S) FOR DO/EO/US: BAEK, Jong-Soo; CHO, Dong, Yeon; PARK, Hane; PARK, Han-Oh		
Applicant hereby submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<p>1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a filing under 35 U.S.C. 371.</p> <p>2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371.</p> <p>3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures under (35 USC 371(f)). The submission must include items(5), (6), (9) and (21) indicated below.</p> <p>4. <input checked="" type="checkbox"/> The US has been elected (Article 31).</p> <p>5. <input type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)):</p> <p style="margin-left: 40px;">a. <input checked="" type="checkbox"/> is transmitted herewith (required only if not transmitted by the International Bureau).</p> <p style="margin-left: 40px;">b. <input type="checkbox"/> has been communicated by the International Bureau.</p> <p style="margin-left: 40px;">c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US)</p> <p>6. <input type="checkbox"/> A English translation of the International Application as filed (35 U.S.C. 371(c)(2)).</p> <p>7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))</p> <p style="margin-left: 40px;">a. <input type="checkbox"/> are attached hereto (required only if not transmitted by the International Bureau).</p> <p style="margin-left: 40px;">b. <input type="checkbox"/> have been communicated by the International Bureau.</p> <p style="margin-left: 40px;">c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</p> <p style="margin-left: 40px;">d. <input checked="" type="checkbox"/> have not been made and will not be made.</p> <p>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</p> <p>9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</p> <p>10. <input type="checkbox"/> A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</p> <p>ITEMS 11 to 20 BELOW CONCERN OTHER DOCUMENT(S) OR INFORMATION INCLUDED:</p> <p>11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</p> <p>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</p> <p>13. <input type="checkbox"/> A FIRST preliminary amendment.</p> <p>14. <input type="checkbox"/> A SECOND or SUBSEQUENT preliminary amendment</p> <p>15. <input type="checkbox"/> A substitute specification.</p> <p>16. <input type="checkbox"/> A change of power of attorney and/or address letter.</p> <p>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter2 and 35 USC 1821 - 1825</p> <p>18. <input type="checkbox"/> A second copy of the published international application under 35 USC 154(d)(4)</p> <p>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 USC 154(d)(4)</p> <p>20. <input checked="" type="checkbox"/> Other items or information: TRANSMITTAL FORM WITH FEE CALCULATION; INTERNATIONAL PUBLICATION 2004/088291 A1 WITH INTERNATIONAL PUBLICATION DATE 14 OCTOBER 2004 WITH SEARCH REPORT WHICH CONSISTS OF 25 PAGES INCLUDING 1 COVER SHEET CONTAINING THE ABSTRACT, 16 PAGES TEXTUAL SPECIFICATION, 4 PAGES OF 16 CLAIMS, 4 SHEETS DRAWINGS; UNEXECUTED INVENTOR'S DECLARATION.</p>		

2004-10-14

U.S. APPLICATION NO. (if known) not yet assigned <div style="font-size: 2em; font-weight: bold; margin-top: 10px;">10/551784</div>	INTERNATIONAL APPLICATION NO. PCT/ KR2004/000785	DATE: 3 October 2005 (3.10.2005)
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21. Basic national fee \$ 300 22. Examination fee If the written opinion prepared by the ISA/US or the international preliminary examination report prepared by IPEA/US and all claims satisfy Provisions of PCT Article 33(1)-(4) \$ 0 All other situations..... \$200 23. Search fee (37 CFR 1.492(b)) If the written opinion of the ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4) \$ 0 Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority.....\$100 International Search Report prepared and provided to the Office..... \$400 All other situations..... \$500 ____ Additional fee for specification and drawings filed in paper over 100 sheets (excluding Sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets to paper or fraction thereof. <div style="text-align: right;">TOTAL OF 21, 22 & 23=</div>	<u>CALCULATIONS</u> \$ 300 \$ 200 \$ 400 \$ \$ 900	<u>PTO USE ONLY</u>
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Surcharge of \$130.00 for furnishing the oath or declaration later than ____ 20 ____ 30 months from the earliest claimed priority date (37 CFR 1.492(e)).	\$	
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CLAIMS	NO. FILED	NO. EXTRA	RATE		
TOTAL	16 -20=	0	X \$ 50.00	\$	0.00
INDEPENDENT	3 - 3=	0	X \$ 200.00	\$	0.00
Multiple dependent claims(s) (if applicable)			+ \$360.00	\$	0.00
TOTAL OF ABOVE CALCULATIONS =				\$	900.00
Reduction by 2 for asserting small entity, if applicable. (Note 37 CFR 1.9, 1.27, 1.28).				\$	-450.00
SUBTOTAL =				\$	450.00
Processing fee of \$130.00 for furnishing the English translation later than ____ 20 ____ 30 months from the earliest claimed priority date (37 CFR 1.492(f)).				\$	0.00
TOTAL NATIONAL FEE =				\$	450.00
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +				\$	0.00
TOTAL FEES ENCLOSED =				\$	450.00
				Amount to be:	
				refunded	\$
				charged	\$

10/551784

ATTORNEY'S DOCKET NO: 27024U

JC05 Rec'd PCT/PTO 03 OCT 2005

U.S. APPLICATION NO.
(if known) not yet assigned

INTERNATIONAL APPLICATION NO.

PCT/KR2004/000785

DATE: 3 October 2005 (03.10.2005)

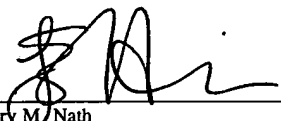
- a. ☒ One check in the aggregate amount of \$ 450.00 to cover the above fees is enclosed.
- b. ☐ Please charge my Deposit Account No. 14-0112 in the amount of \$ _____ to cover the above fees. (A duplicate copy of this sheet is enclosed.)
- c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 14-0112.
- d. Fees are to be charged to a credit card ☐ WARNING: Information on this form may become public ☐ Credit Card Information should not be included on this form. ☐ Provide credit card information and authorization on PTO-2038

NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed to request that the application be restored to pending status.

Send All Correspondence To:

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